



# EU 2020 Targets - the health 2020 targets and the role of primary care and occupational therapy

Prof Niroshan Siriwardena







# Community and Health Research Unit



[CaHRU@lincoln.ac.uk](mailto:CaHRU@lincoln.ac.uk)

**CaHRU**  
Community and Health Research Unit



UNIVERSITY OF  
**LINCOLN**



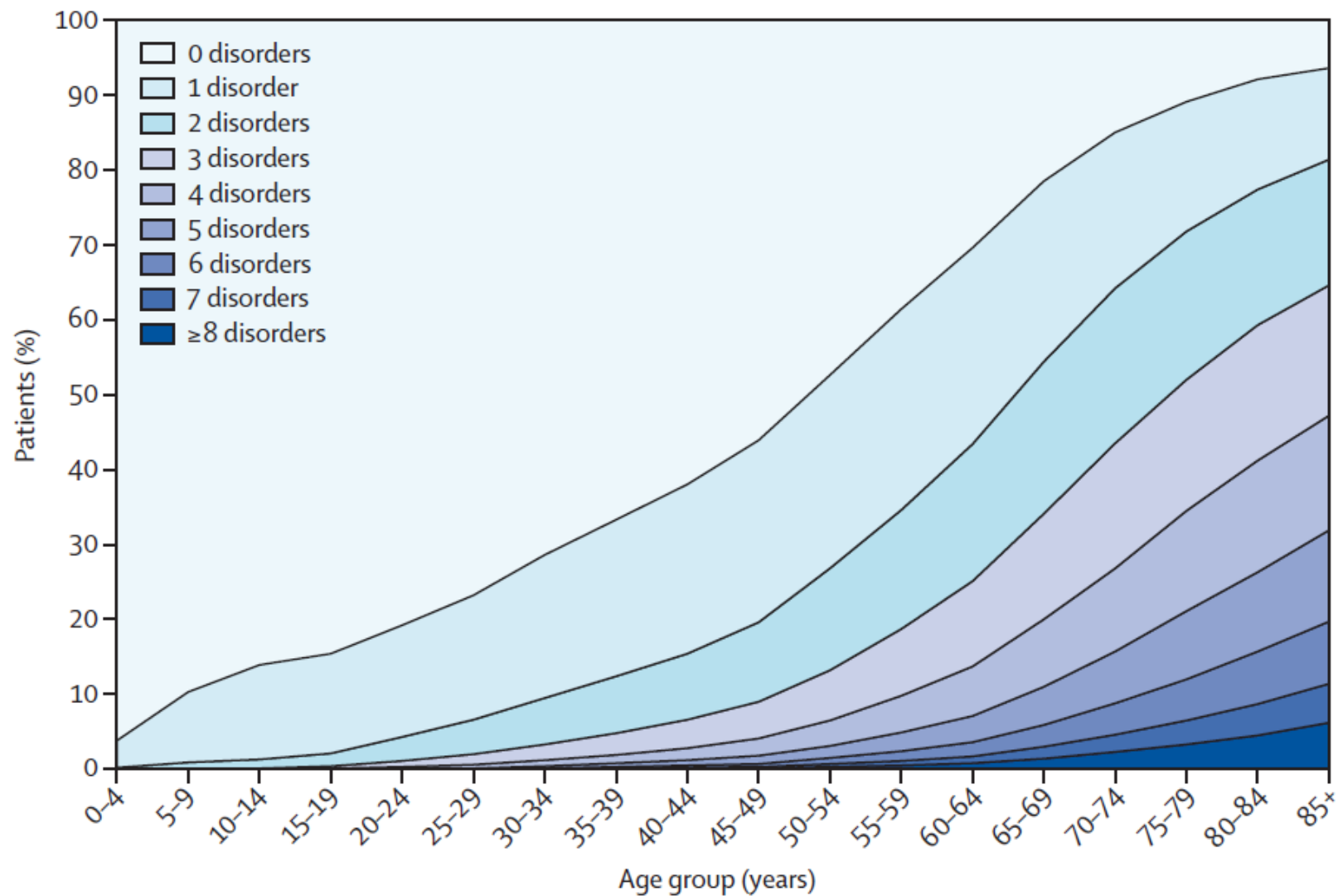


# Overview

- **Europe Health 2020 targets**
- **Role of primary and community care**
- **Role of occupational therapy**
- **Multidisciplinary healthcare and education**
- **Multidisciplinary research**
- **European Forum for Primary Care**

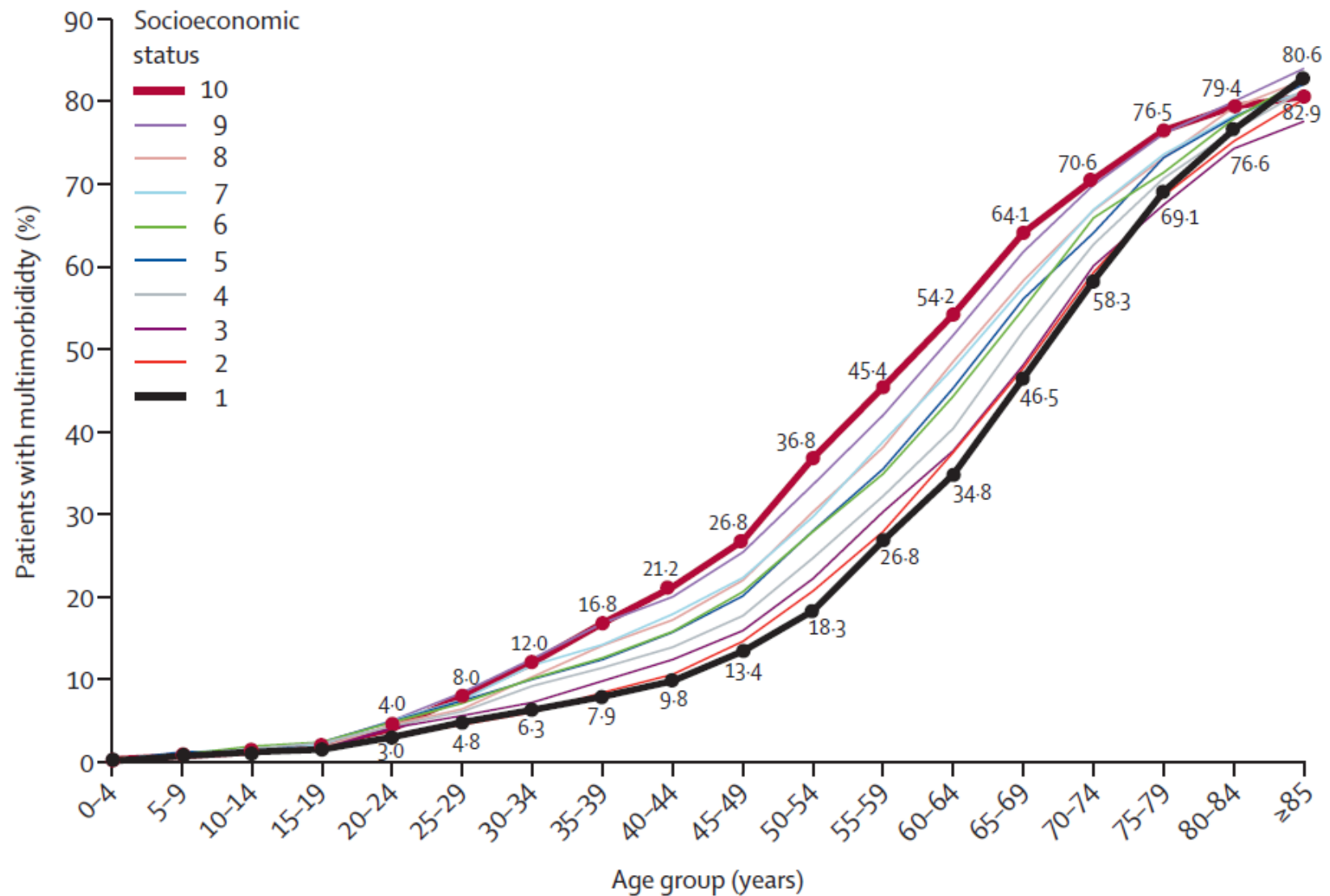


- **Europe Health 2020 targets**
- Role of primary and community care
- Role of occupational therapy
- Multidisciplinary healthcare and education
- Multidisciplinary research
- European Forum for Primary Care



**Number of chronic disorders by age group**

**Barnett: Epidemiology of multimorbidity and implications . Lancet 2012**

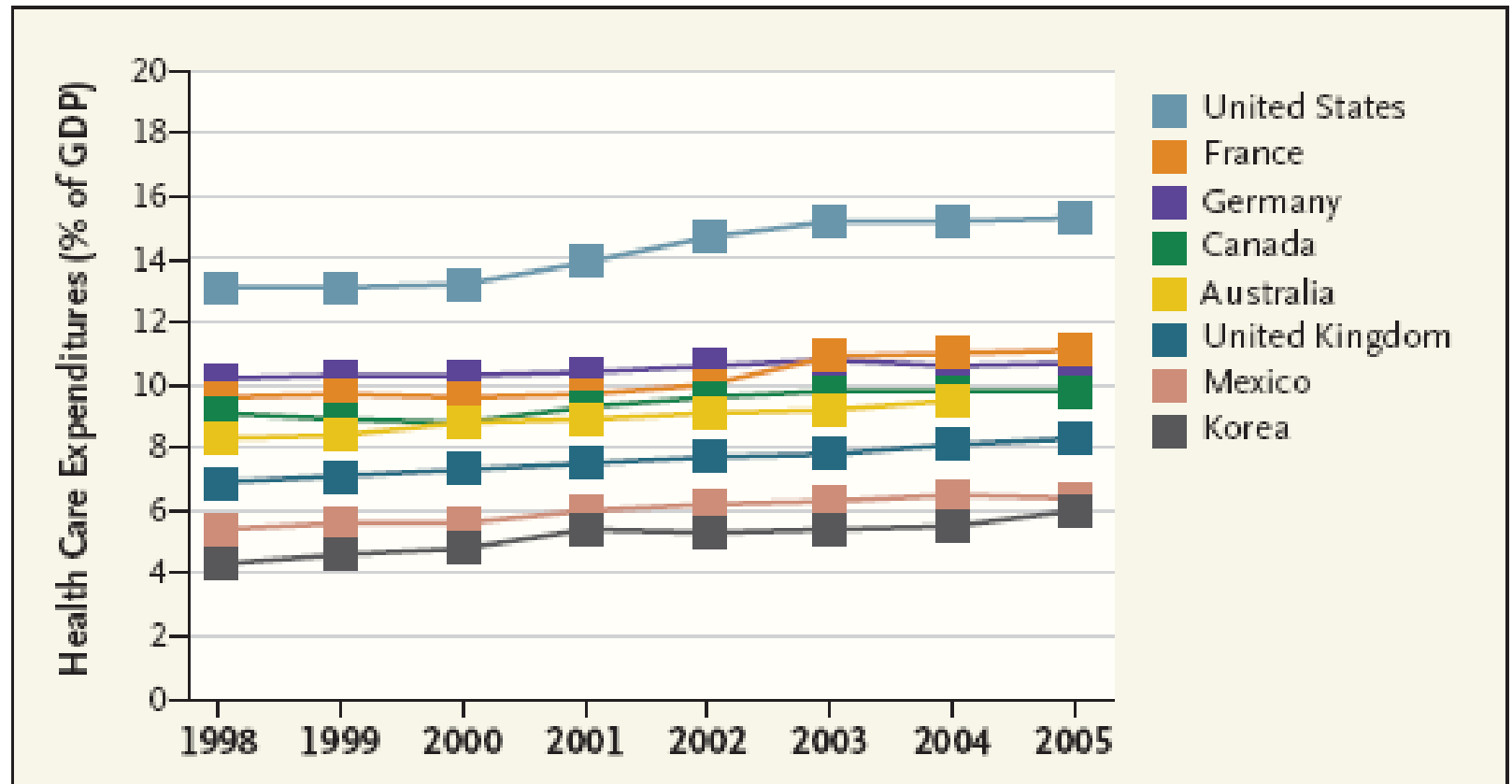


**Prevalence of multimorbidity by age and socioeconomic status**

**Barnett: Epidemiology of multimorbidity and implications . Lancet 2012**



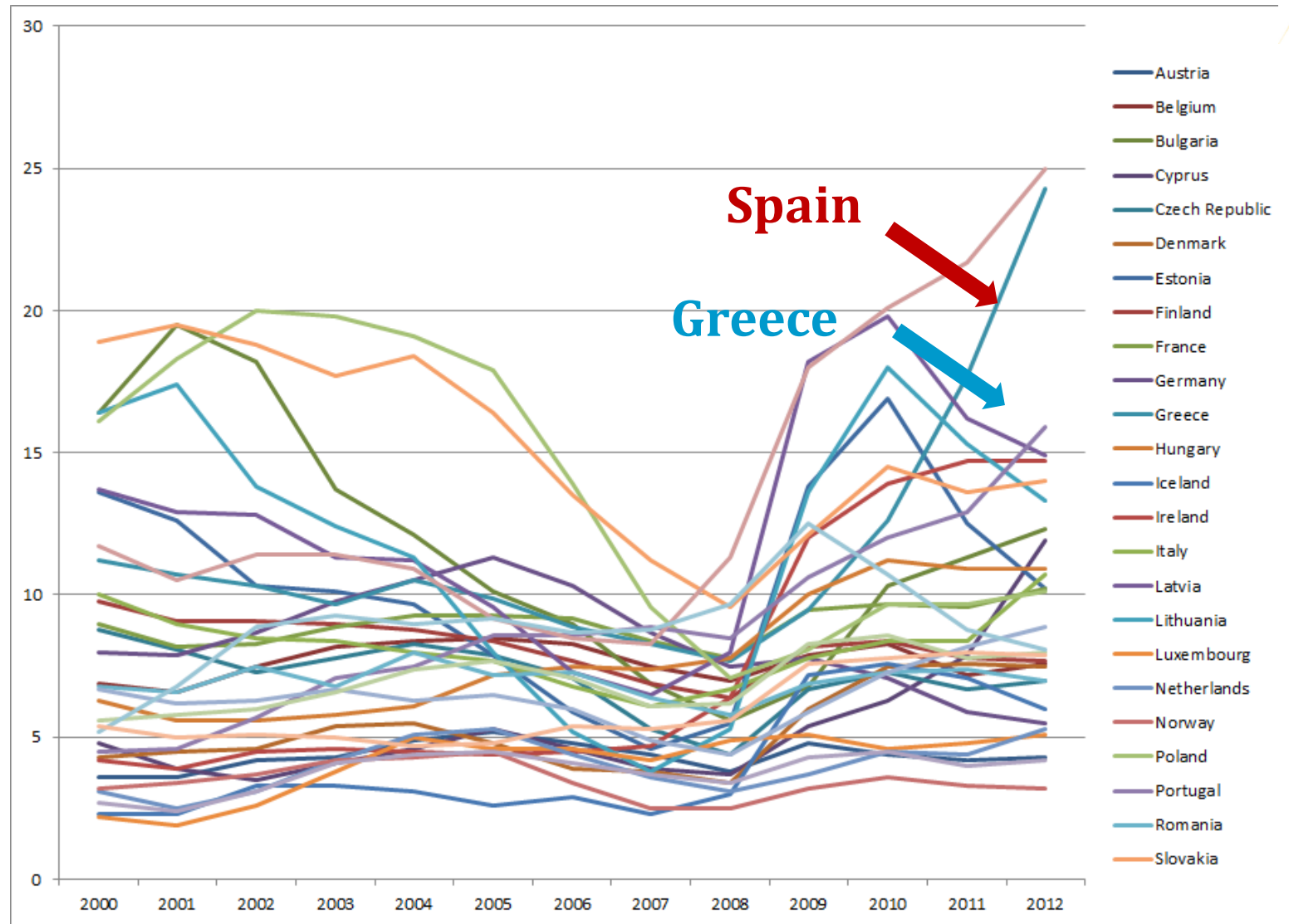
# % GDP spent on health



**Kuttner: Market based failure – a second opinion on US healthcare costs NEJM**

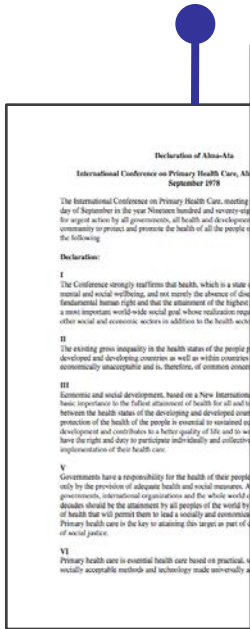


# Economic crisis



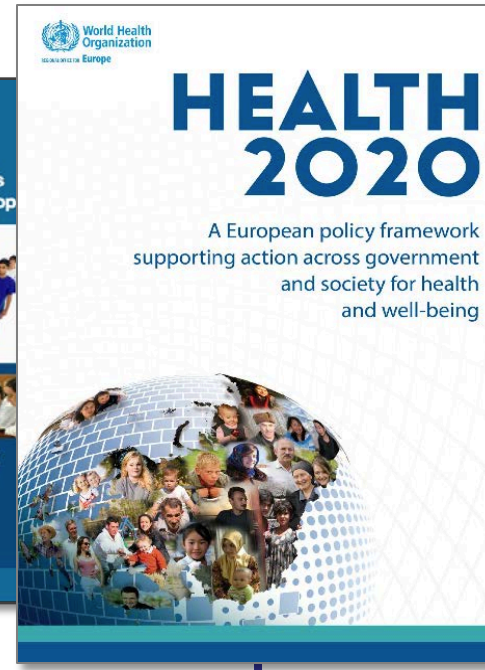
# History

1978



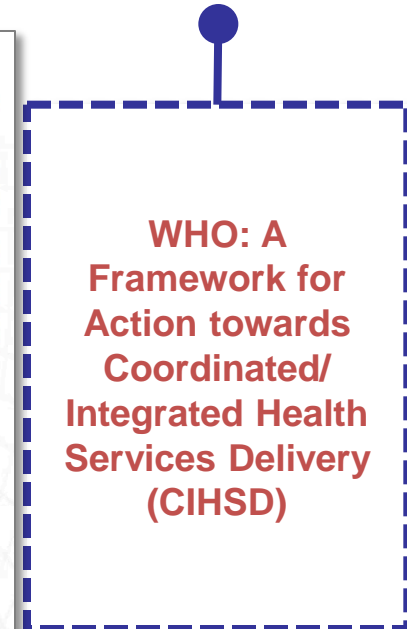
2008

2012



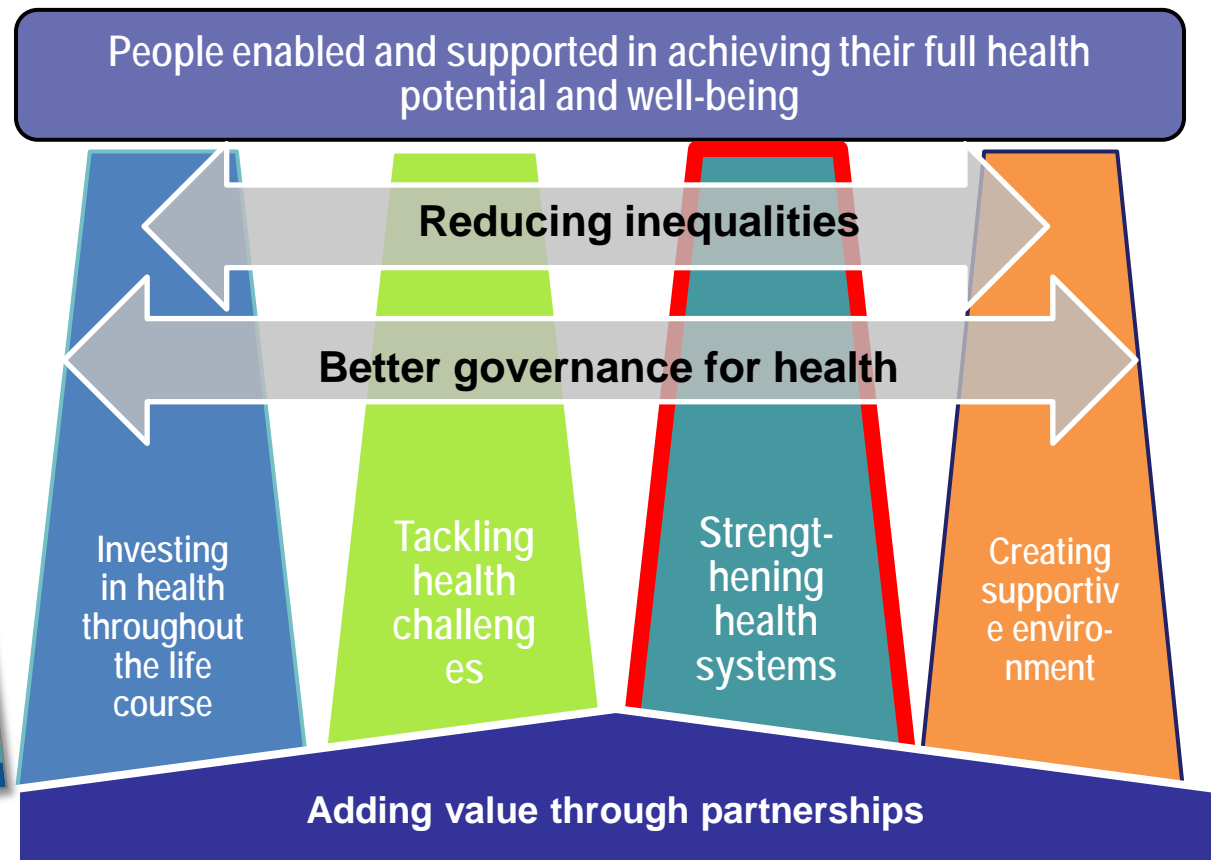
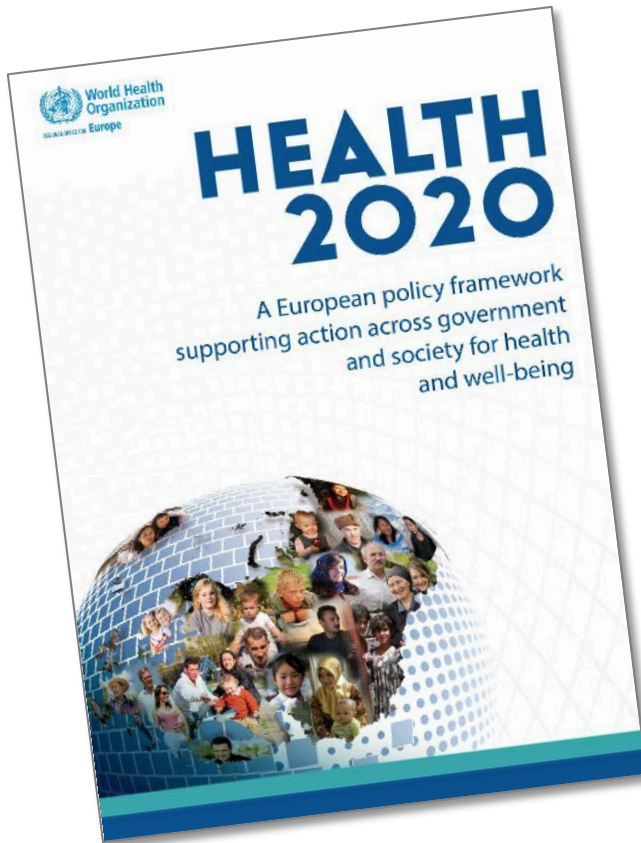
2012

2013 - on



# Health 2020

European forum  
for primary care



**Hans Kluge (WHO) Developing a regional action framework for coordinated/ integrated health services delivery. Istanbul 2013**

- 1. Reduce premature mortality in 2020.
- 2. Increase life expectancy.
- 3. Reduce inequalities in health.
- 4. Enhance the well-being of the population.
- 5. Ensure universal coverage and the right to the highest attainable level of health.
- 6. Set national goals and targets related to health in Member States.



It states (p8) that:

‘good health is an asset and a source of economic and social stability. It is key to reducing poverty and both contributes to and benefits from sustainable development. Most important, good health can no longer be seen as an outcome of one sector alone: sustainable and equitable improvements in health are the product of effective policy across all parts of government and collaborative efforts across all parts of society.



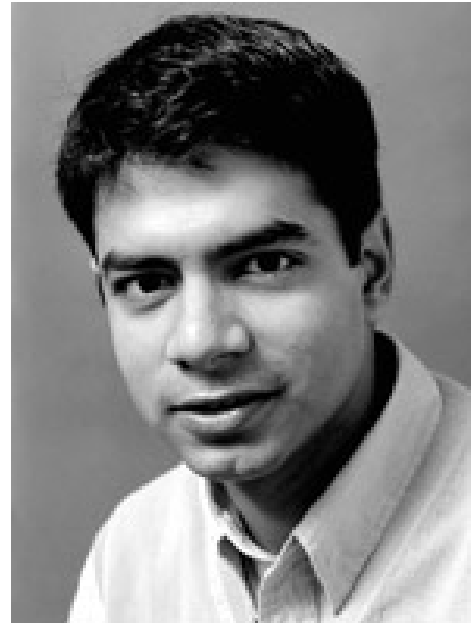
- Europe Health 2020 targets
- **Role of primary and community care**
- Role of occupational therapy
- Multidisciplinary healthcare and education
- Multidisciplinary research
- European Forum for Primary Care







# Katherine Baicker and Amitabh Chandra

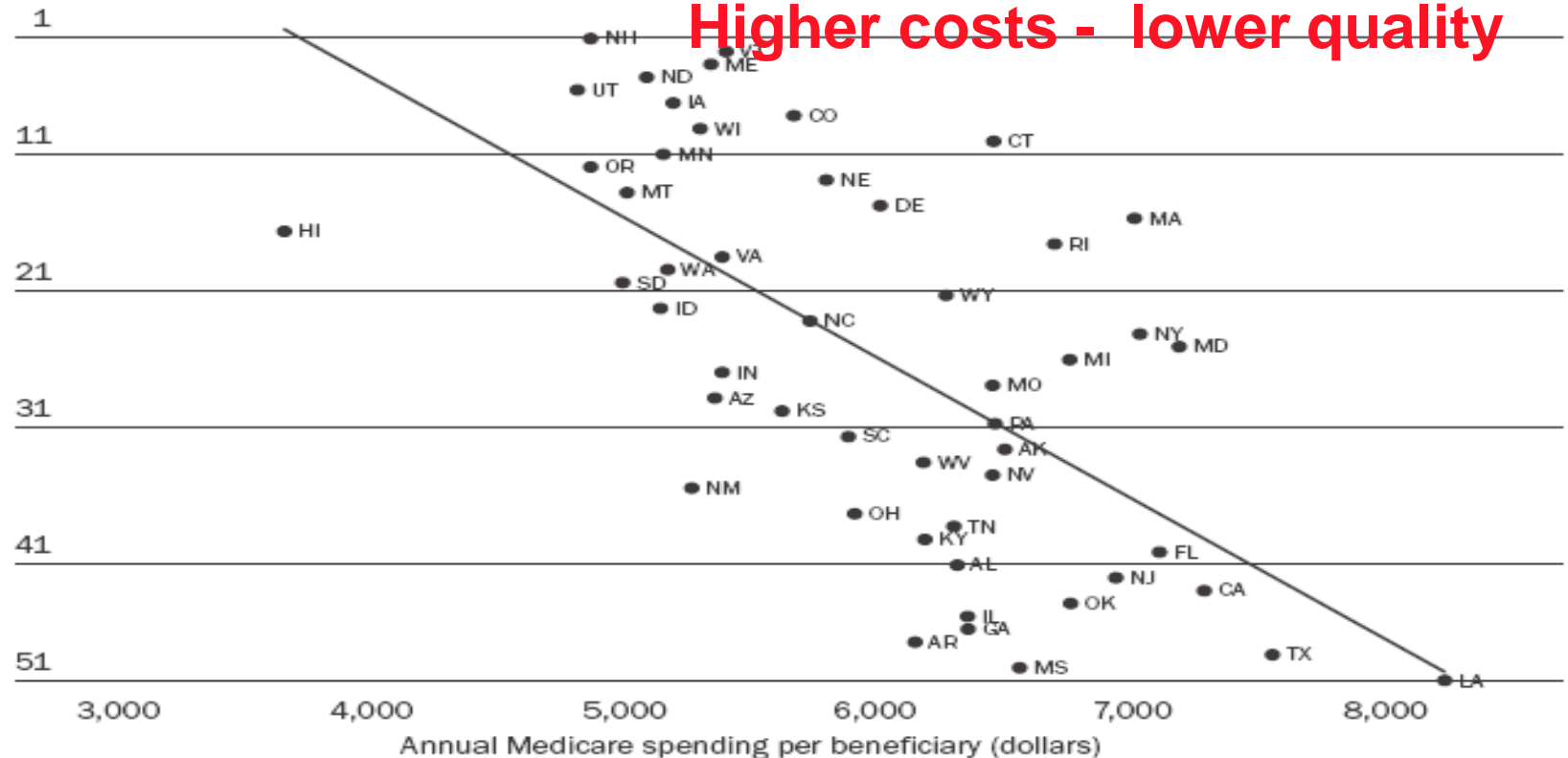




## EXHIBIT 1

### Relationship Between Quality And Medicare Spending, As Expressed By Overall Quality Ranking, 2000–2001

Overall quality ranking



**SOURCES:** Medicare claims data; and S.F. Jencks et al., "Change in the Quality of Care Delivered to Medicare Beneficiaries, 1998–1999 to 2000–2001," *Journal of the American Medical Association* 289, no. 3 (2003): 305–312.

**NOTE:** For quality ranking, smaller values equal higher quality.

**Katherine Baicker and Amitabh Chandra (2004) Medicare Spending, The Physician Workforce, and beneficiaries of quality of care**



## EXHIBIT 7

### Relationship Between Provider Workforce And Medicare Spending: Specialists Per 10,000 And Spending Per Beneficiary In 2000

Spending per beneficiary (dollars)

8,000

7,000

6,000

5,000

4,000

18

19

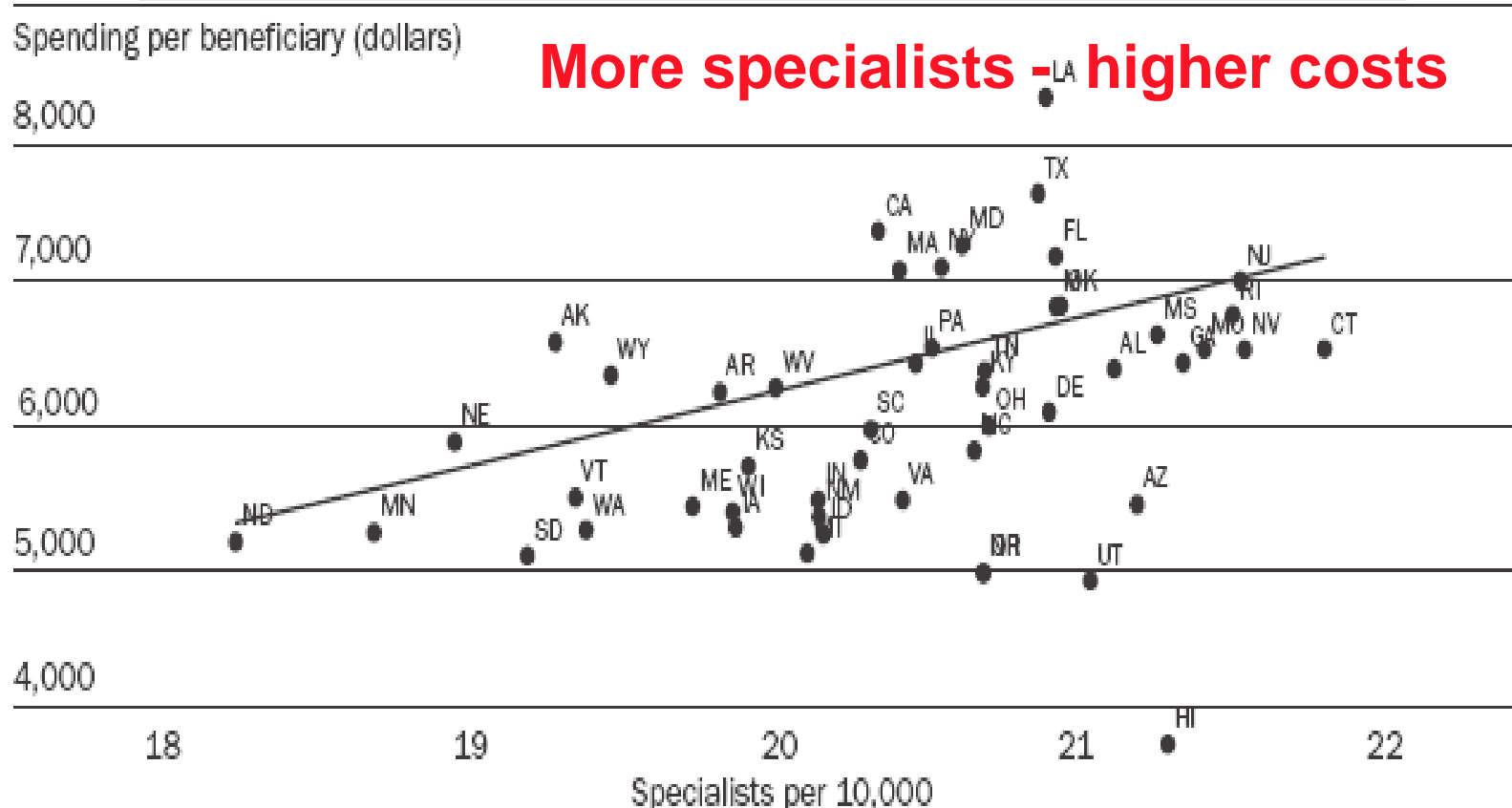
20

21

22

Specialists per 10,000

**More specialists - higher costs**



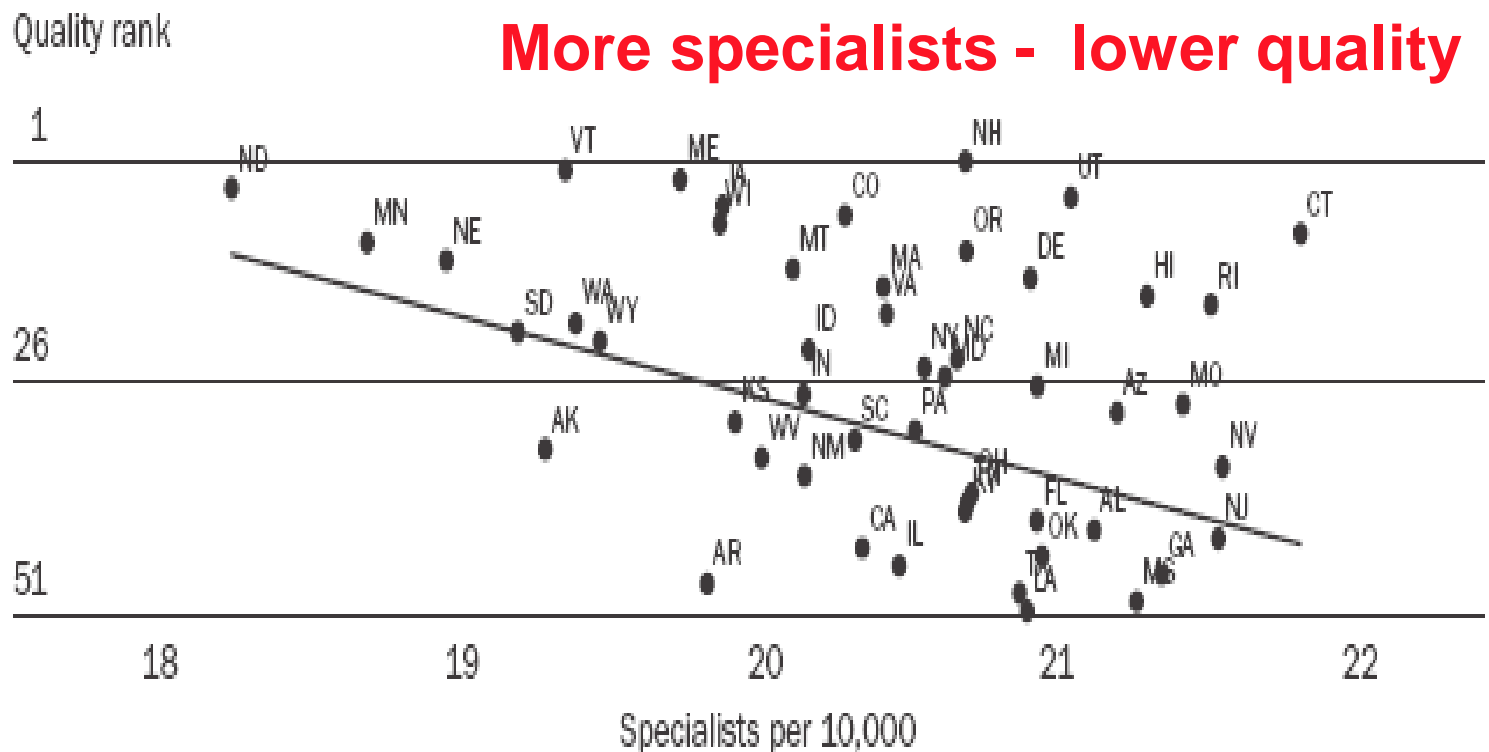
**SOURCES:** Medicare claims data; and Area Resource File, 2003.

**NOTE:** Total physicians held constant.



## EXHIBIT 6

### Relationship Between Provider Workforce And Quality: Specialists Per 10,000 And Quality Rank In 2000



**SOURCES:** Medicare claims data; and Area Resource File, 2003.

**NOTES:** For quality ranking, smaller values equal higher quality. Total physicians held constant.

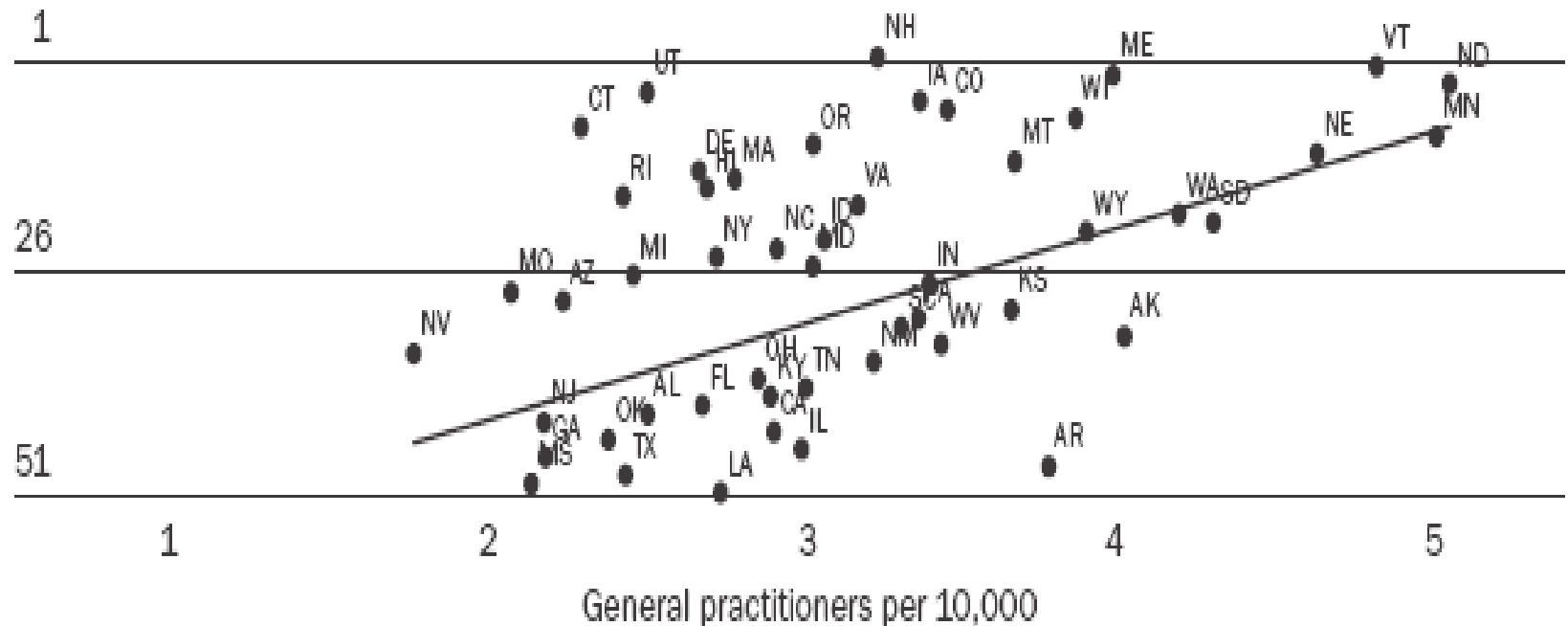


## EXHIBIT 8

### Relationship Between Provider Workforce And Quality: General Practitioners Per 10,000 And Quality Rank In 2000

Quality rank

**More GPs - higher quality**



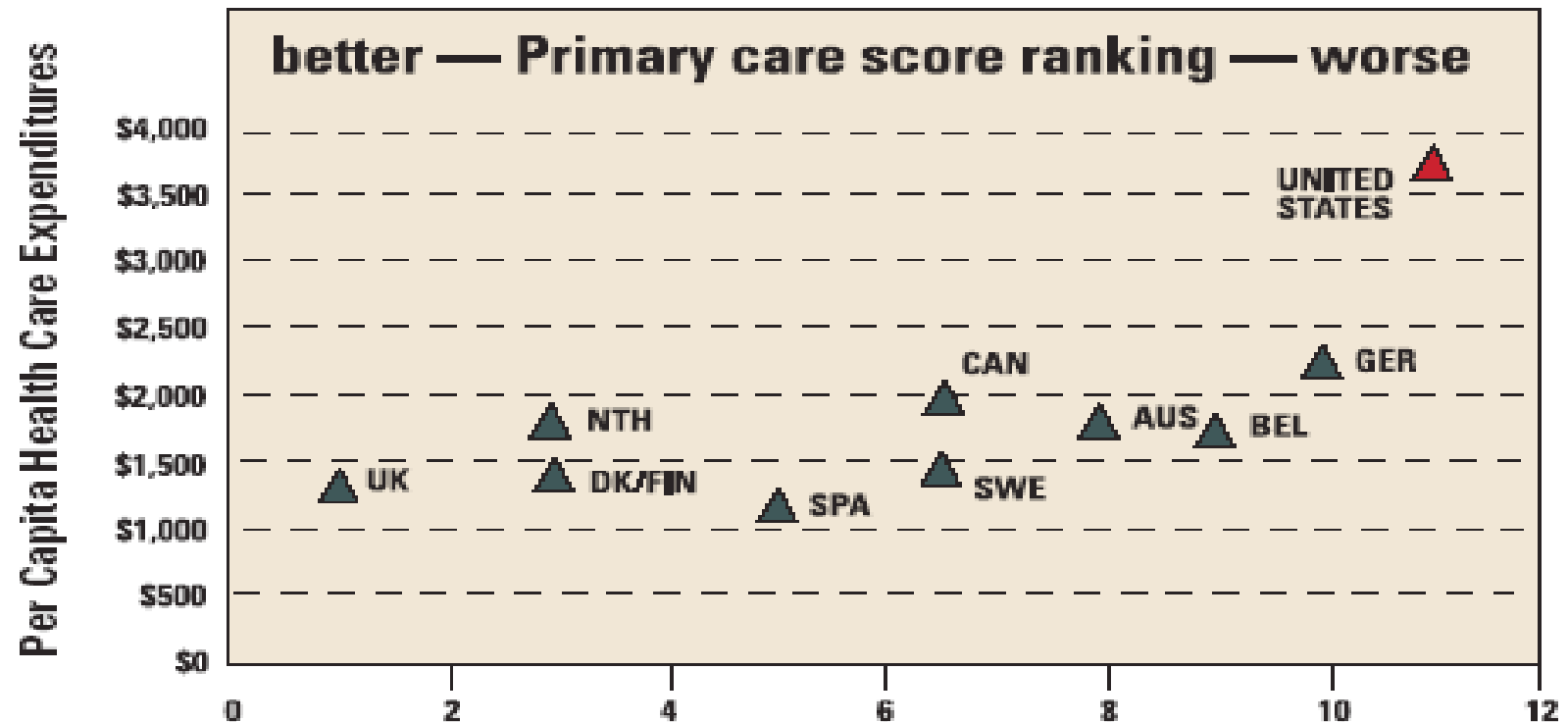
**SOURCES:** Medicare claims data; and Area Resource File, 2003.

**NOTES:** For quality ranking, smaller values equal higher quality. Total physicians held constant.



# Health care spending

Figure 7. Health Care Expenditures vs. Primary Care Score Rank

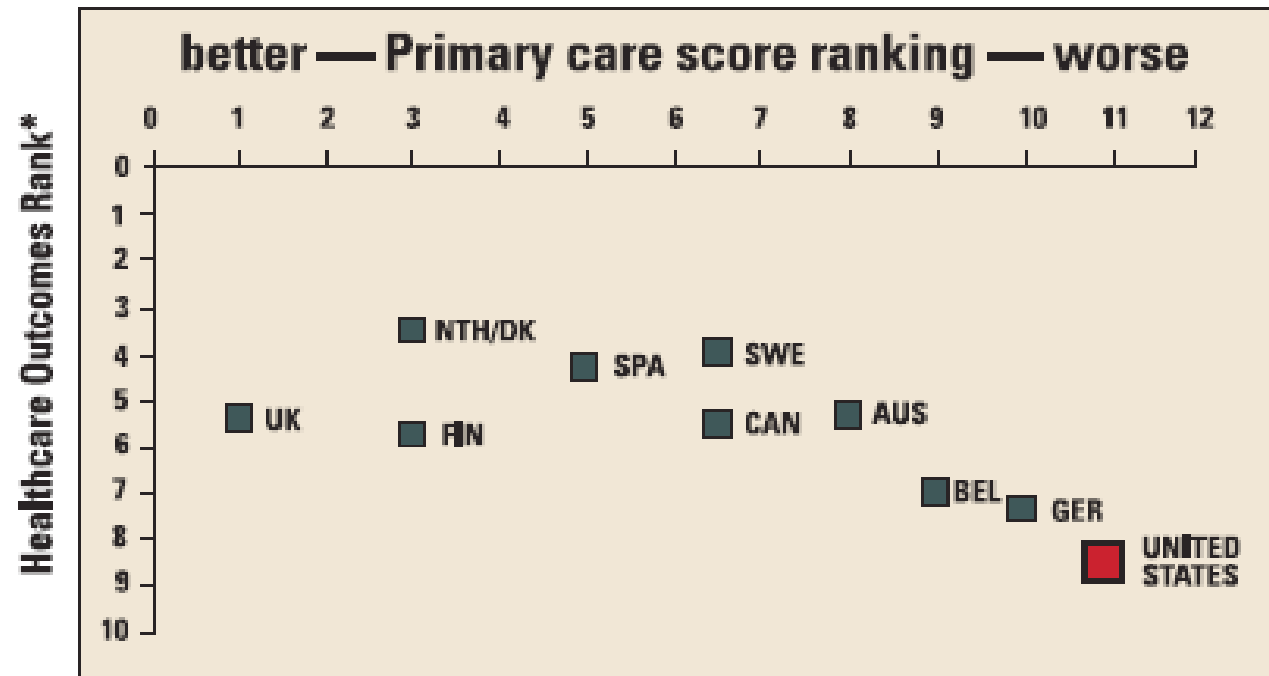


Australia, Belgium, Canada, Denmark, Finland, Germany, Netherlands, Spain, Sweden, United Kingdom, United States

Starfield B , Shi L. Policy Determinants of health: an international perspective  
Health Policy 2002; 60: 201-218.

# PC rank vs. outcome indicators

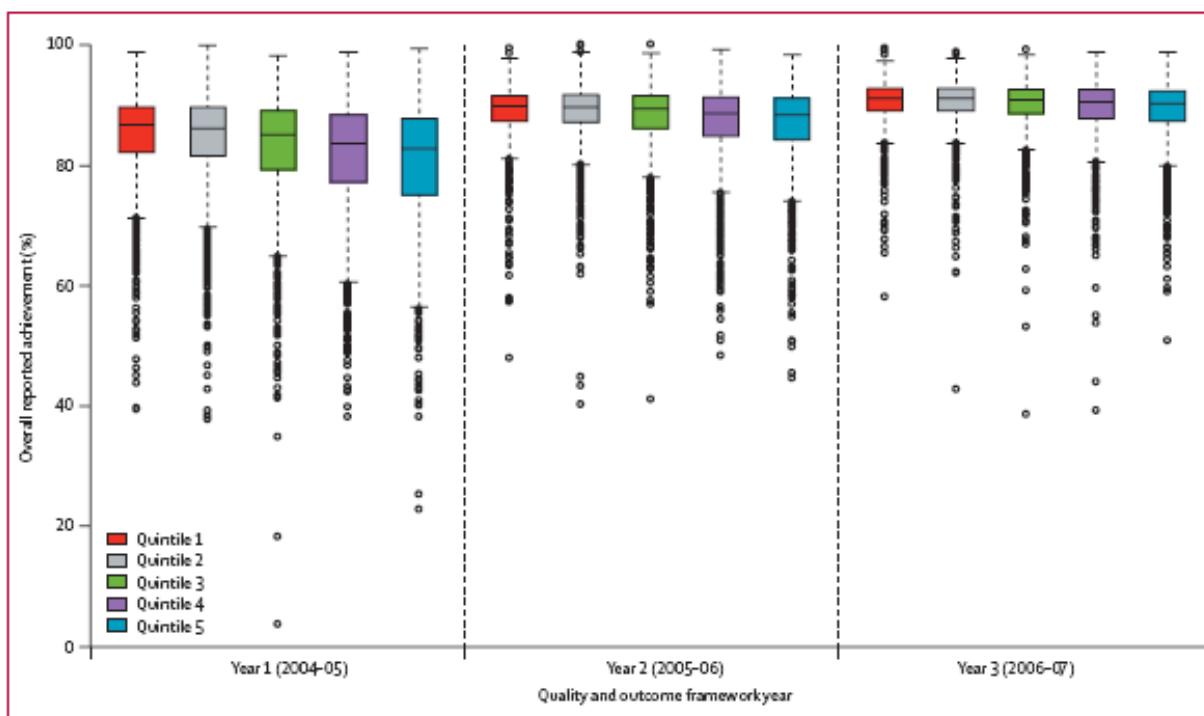
Figure 6. Primary-care Score Ranking vs. "Outcome" Indicators (rank 1 is best, rank 12 worst)



\*Rank based on patient satisfaction, expenditures per person, 14 health indicators, and medications per person in Australia, Belgium, Canada, Denmark, Finland, Germany, Netherlands, Spain, Sweden, United Kingdom, United States

# Population health and equity

- Inequalities related to deprivation slowly narrowing



Lancet 2008;  
372: 728–36

Dixon, Khachatryan & Boyce. The public health impact, In Gillam & Siriwardena (eds) The Quality and Outcomes Framework, Radcliffe, Oxford 2010.



**In both England and the US, each additional primary care physician per 10,000 population (a 12-20% increase) is associated with a decrease in mortality of 3-10%, depending on the cause of death. This is true even after adjusting for sociodemographic and socioeconomic characteristics.**



## *Primary care*

“...provision of continuous, comprehensive and coordinated care to populations undifferentiated by gender, disease or organ system.”

**The first contact**

**A continuous relationship**

**Comprehensive, coordinated, multidisciplinary**

**Starfield, B. Primary Care: Concept, Evaluation, New York: Oxford University Press. 1992**



- Europe Health 2020 targets
- Role of primary and community care
- **Role of occupational therapy**
- Multidisciplinary healthcare and education
- Multidisciplinary research
- European Forum for Primary Care





## *Occupational therapy*

“...a client centered health profession concerned with promoting well being through occupation. The primary goal...is to enable people to participate in the activities of everyday life”

**Broad education: medical, social, psychological & occupational**

**Work with individuals, group and communities**

**All people including those who have impairments and the socially excluded**



World Federation of  
Occupational Therapists



# Community occupational therapy in Amsterdam

European forum  
for primary care





# Jan's aims

- “I want to roll my own cigarettes and not be dependent on my girlfriend”
- “I want to write better, I can’t read my notes”
- “I want to do things in the kitchen, make a coffee or prepare my own bread.”
- “I have problems getting out of my bed and couch, I don’t have money for a new one, can you help me out.”



- Europe Health 2020 targets
- Role of primary and community care
- Role of occupational therapy
- **Multidisciplinary healthcare and education**
- **Multidisciplinary research**
- European Forum for Primary Care

# Complex issues require complex solutions





# Falls prevention research

- Falls very common - 30% of 65+ year olds each year
- Falls cause injury but also reduction in activity
- £981 million spent on falls in 2010 in UK
- 40% of fallers who call ambulance not taken to A&E
- Multi factorial falls prevention interventions have been shown to reduce falls rates







# BMJ

## RESEARCH

---

### Community falls prevention for people who call an emergency ambulance after a fall: randomised controlled trial

Philippa A Logan, postdoctoral researcher and occupational therapist,<sup>1</sup> C A C Coupland, associate professor in medical statistics,<sup>1</sup> J R F Gladman, professor of older persons medicine and community geriatrician,<sup>1</sup> O Sahota, professor of orthogeriatric medicine and consultant physician,<sup>2</sup> V Stoner-Hobbs, triage nurse,<sup>3</sup> K Robertson, community occupational therapist,<sup>4</sup> V Tomlinson, data analyst,<sup>3</sup> M Ward, community nurse,<sup>5</sup> T Sach, senior lecturer in health economics,<sup>6</sup> A J Avery, professor of primary care and general practitioner<sup>1</sup>

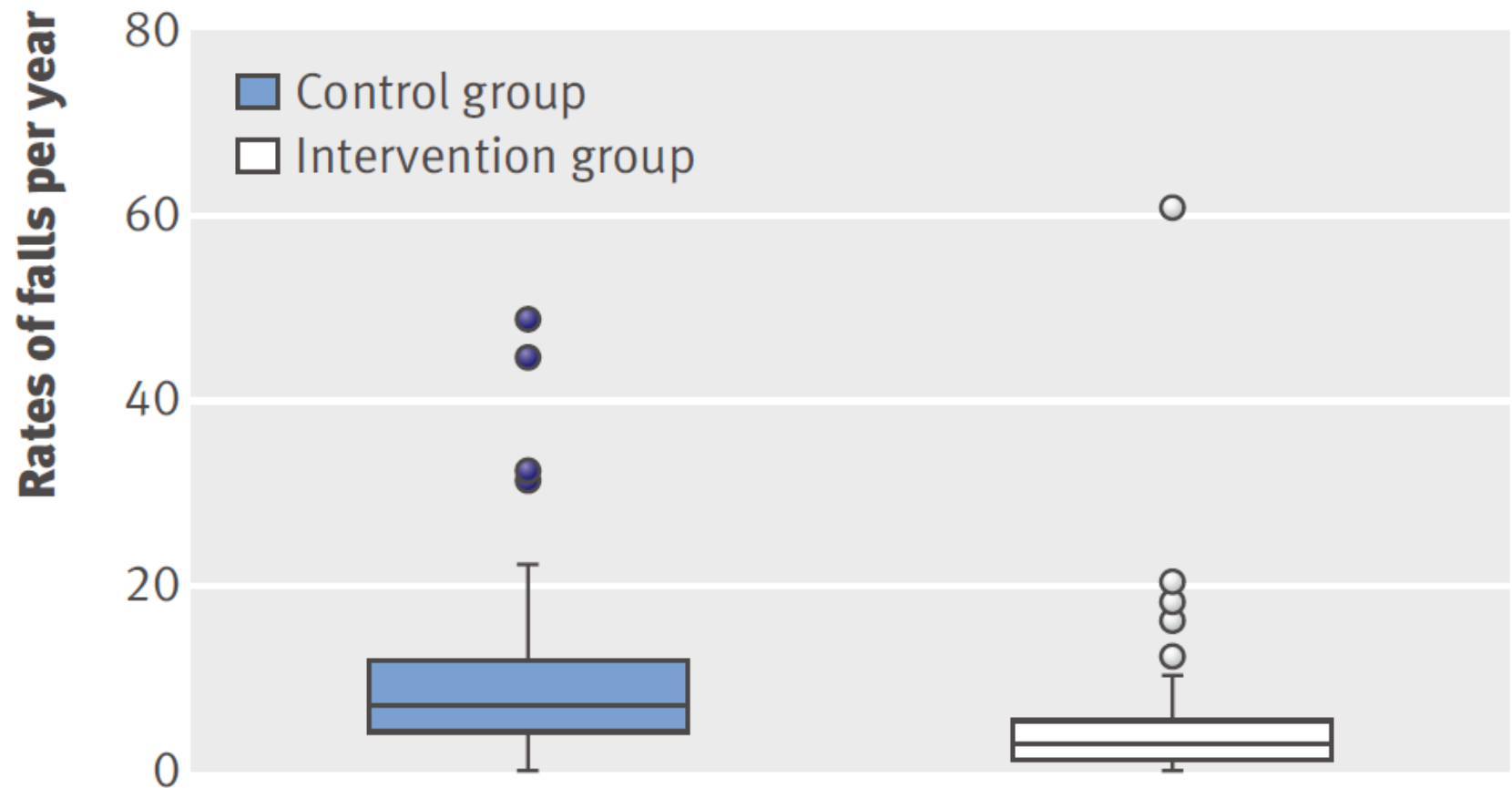


# Interventions





# Rate of falls per year



Logan: Community falls prevention RCT. BMJ 2010.





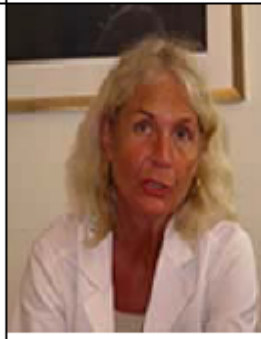



- Europe Health 2020 targets
- Role of primary and community care
- Role of occupational therapy
- Multidisciplinary healthcare and education
- Multidisciplinary research
- **European Forum for Primary Care**

# Created in 2005

- Based at NIVEL, Netherlands.
- Multi-professional Advisory Board with members from Belgium, UK, Italy, Sweden, France, Slovenia, Turkey, Norway, Greece, Portugal, Romania, Hungary, Latvia, Spain, Macedonia, Austria and the Netherlands.



		
<p> <a href="#">Marije Bolt</a>  Occupational Therapist  Netherlands  <a href="#">Ergotherapiepraktijk Doen</a>    Official <a href="#">COTEC</a> and  <a href="#">ENO THE</a> representative </p>	<p> <a href="#">Prof. Marianne Samuelson</a>  General Practitioner  France  <a href="#">University of Caen - Basse Normandie</a> </p>	<p> <a href="#">Prof. Val Lattimer</a>  Nurse  United Kingdom  <a href="#">School of Nursing Sciences</a> -    University of East-Anglia </p>
		
<p> <a href="#">Prof. Nirishan Siriwardena</a>  General Practitioner  United Kingdom    <a href="#">Community and Health Research Unit (CaHRU)</a>    University of Lincoln </p>	<p> <a href="#">Anna Stavdal</a>  General Practitioner  Norway  University of Oslo    Official <a href="#">WONCA Europe</a> representative </p>	<p> <a href="#">Balázs Hankó</a>  Pharmacist  Hungary  <a href="#">Department of Pharmacy Administration</a>  Semmelweis University    Official <a href="#">EuroPharm Forum</a> representative </p>

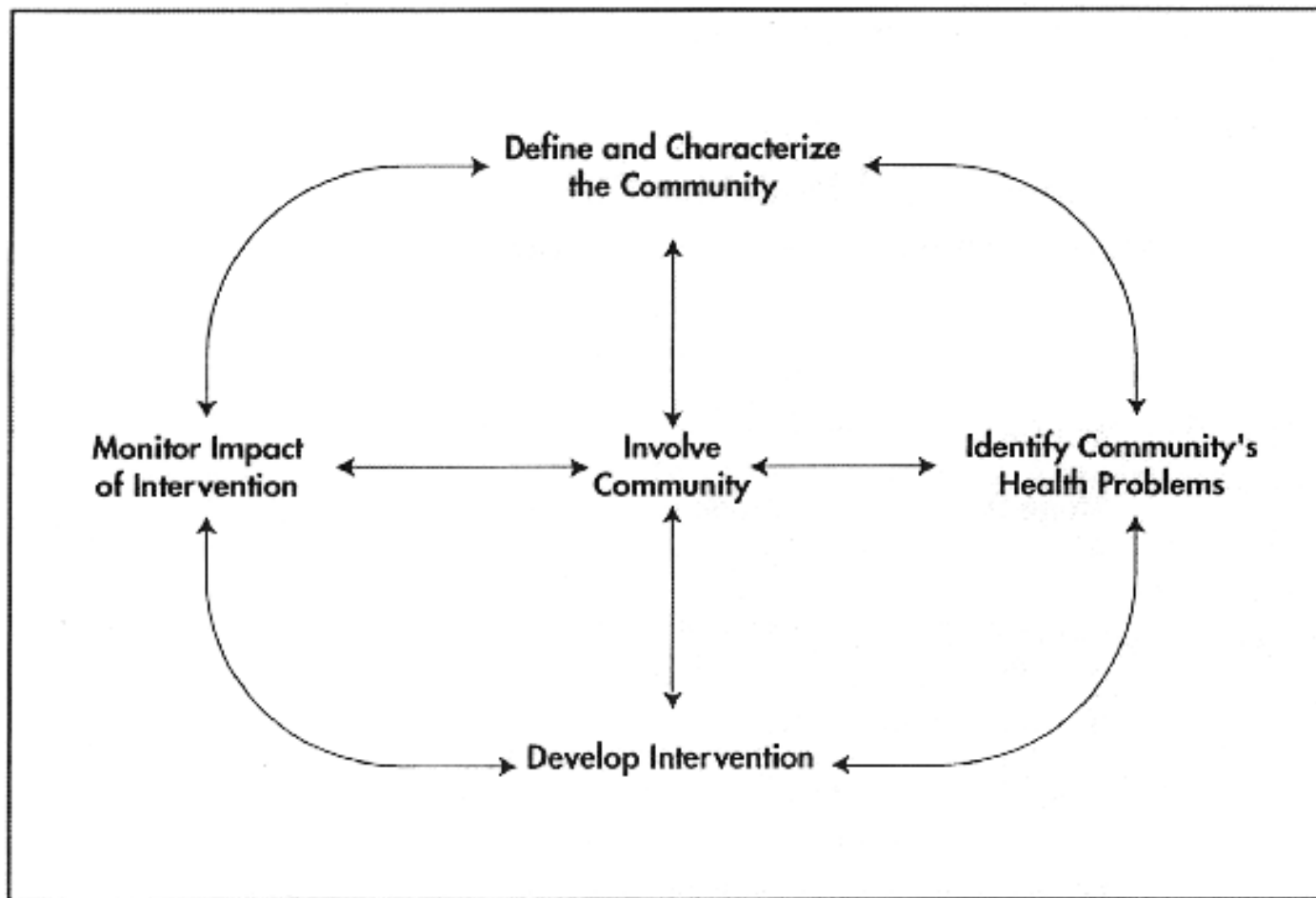


# Main objectives

- To share the information between members
- Advocacy for Primary Care towards policymakers and politicians
- Support for research and development of a research agenda

# Person centred and community orientated primary care

FIGURE 1.2: The COPC Process



Community-Oriented Primary Care:  
Health Care for the 21st Century



Edited by Robert Rhyne, M.D., Richard Bogue, Ph.D.,  
Gary Kukulka, Ph.D., Hugh Fulmer, M.D.



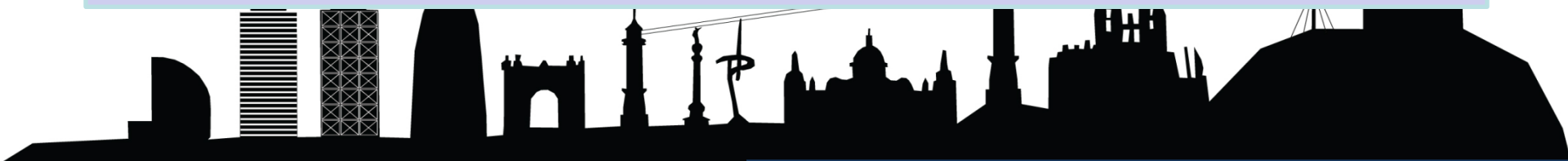
# International Federation of CHCs

The core goals of the IFCHC are:

- to foster global collaboration in community-oriented primary health care and
- to expand access to Community Health Centres as the optimal way to achieve the World Health Organization's vision for equitable access to primary health care for all.



# The Future of Primary Care in Europe V

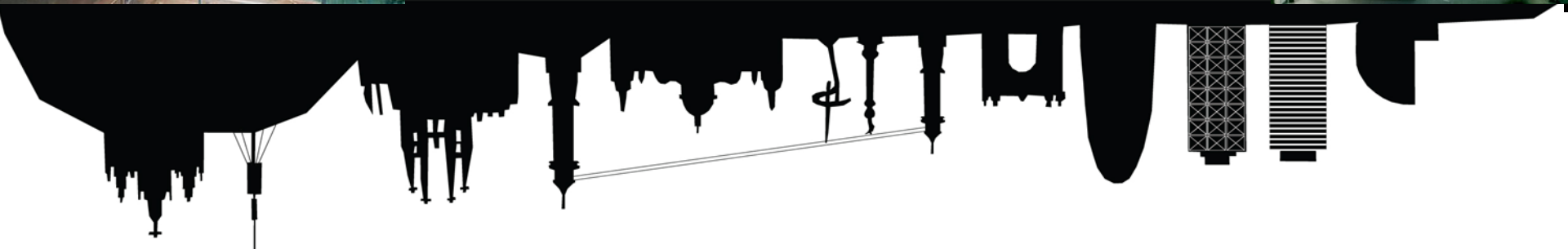


Universitat  
Pompeu Fabra  
*Barcelona*

## Barcelona 2014

## “Twinning Population Health and Primary Care”

**V bi-annual EFPC conference  
1/2 September**



# EFPC on the Web



european forum  
for primary care

- [www.euprimarycare.org](http://www.euprimarycare.org)
- [Web-based database on European Primary Care](#)
- [LinkedIn discussion group “Primary Care Forum”](#)  
Currently 3500 members from all over the world
- Twitter: (@PrimaryCare4um) 570 followers, rapidly growing
- Facebook-page: [Primary Care Forum](#)

# Acknowledgments



- Diederik Aarendonk, EFPC Coordinator
- Marije Bolt, Occupational Therapist, Amsterdam and EFPC Advisory Board Member
- Pip Logan, Professor of Rehabilitation, Nottingham University



# Thank you!

CaHRU@lincoln.ac.uk

**CaHRU**  
Community and Health Research Unit



UNIVERSITY OF  
**LINCOLN**